

Title (en)
SYSTEM AND METHOD FOR HIERARCHICAL BEAMFORMING AND RANK ADAPTATION FOR HYBRID ANTENNA ARCHITECTURE

Title (de)
SYSTEM UND VERFAHREN ZUR HIERARCHISCHEN STRAHLFORMUNG UND RANGADAPTION FÜR EINE HYBRIDE ANTENNENARCHITEKTUR

Title (fr)
SYSTÈME ET PROCÉDÉ DE FORMATION DE FAISCEAU HIÉRARCHIQUE ET D'ADAPTATION DE RANG POUR UNE ARCHITECTURE D'ANTENNE HYBRIDE

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Abstract (en)
[origin: WO2018082676A1] An embodiment method for beam-related information and channel state information feedback includes receiving first analog beamformed reference signals; transmitting a first report indicating a set of selected analog beamformed reference signals and a transmission rank that jointly maximize a first performance criterion for subsequent transmissions by a transmitter that transmitted the first analog beamformed reference signals; receiving second analog beamformed reference signals maximized in accordance with the set of selected analog beamformed reference signals and the transmission rank; and transmitting a second report, in accordance with the second analog beamformed reference signals, indicating a channel quality indicator and a precoding matrix indicator that maximize a second performance criterion for subsequent transmissions by the transmitter that transmitted the first analog beamformed reference signals and the second analog beamformed reference signals.

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